CONTENTS VOLUME 30 (1988)

Numbers 1,2 (Special Issue on "Simulation Society of Australia 1987 Conference"), February	1988
Introduction, J. Hulskamp	1
Statistical distribution modelling: Function, methods and application to air quality manage-	,
ment, B. Jun, A.J. Jakeman and J.A. Taylor (Australia)	3
Changes in dispersion variance consequent upon inaccurately modelled semi-variograms,	
P.I. Brooker (Australia)	11
Presenting models in plain English, P.R. Benyon (Australia)	17
A use of calibration in the development of simulation models, D.G. McCall and R.J.	
Townsley (New Zealand)	27
Self-adaptive modelling algorithms, D.G. Green, R.E. Reichelt and R.G. Buck (Australia)	33
Embodiment of formal languages, D.G. Green, R.H. Bradbury and S.J. Bainbridge (Australia) Integrated environmental control model for coal-to-electricity power plants, L. Doukas	
(Australia)	45
Simulation of transit bus regenerative braking systems, M.K. Vint and D.B. Gilmore (Australia)	55
Performance study of coding on satellite channels by simulation, B. Vucetic, J. Nicolas and	
D. Skellern (Australia)	63
Modelling and simulation of M-QAM digital radio systems, B. Vucetic, D. Skellern, M. Miller and L. Zhang (Australia / China)	69
Simulation methods in current transformer investigation and design, K. Korzeniowski	
(Papua New Guinea)	75
The excitation of cable-stayed masts by turbulent wind, N. Haritos (Australia)	81
Monte Carlo simulation of ocean beacon response to environmental loading, N. Haritos	-
(Australia)	87
Simulation of pyrolysis in oil shale particles, S.M. Feteris and O. Sitnai (Australia)	93
Global circulation and precipitation changes induced by sea surface temperature anomalies	,,,
to the north of Australia in a general circulation model, I. Simmonds and G. Trigg	
(Australia)	99
Simulation and models of the role of topographic instability in the formation of atmo-	,,
spheric teleconnection patterns, C.S. Frederiksen and J.S. Frederiksen (Australia)	105
Structuring rainfall-landuse-runoff models for a large catchment in N.S.W., I.H. Fisher and	103
P.J. Ring (Australia)	111
Input errors in rainfall-runoff modelling, M.T.P. Retnam and B.J. Williams (Australia)	119
Applied environmetrics: Simulation applied to the physical environment, T. Beer (Australia)	133
Simulating sediment deposition to establish a chronology for an urban lake, G.S. Dolman	133
(Australia)	139

A simulation study of Crown of Thorns starfish outbreaks on the Great Barrier Reef, R.E.	1.45
Reichelt, S.J. Bainbridge and D.G. Green (Australia)	145
A model of the circadian rhythm of deep body temperature J.E. Barrett and F.G. Phillips (Australia)	151
Medium-term climatic variation on the Northern Tablelands of N.S.W., M.R. McCaskill	159
and G.J. Blair (Australia) Modelling animal growth, A.C. Bywater, J.W. Oltjen, R.L. Baldwin and N.R. StPierre (New	
Zealand / U.S.A. / Canada)	165
Rootmap: A root growth model, A.J. Diggle (Australia)	175
Simulation of thermal and moisture boundary-layers during aeration of cereal grain, S.G. Wilson (Australia)	181
Computer models of forage management on beef cattle farms, K.G. Rickert and G.M.	101
McKeon (Australia)	189
Book Reviews, W.F. Ames and C. Brezinski (U.S.A./France)	195
News of IMACS	203
News of IMACS	203
Number 3, June 1988	
On the equivalence of the k-step iterative Euler methods and successive overrelaxation	
(SOR) methods for k-cyclic matrices, S. Galanis, A. Hadjidimos and D. Noutsos (Greece)	213
Evolution of the <i>n</i> th probability density and entropy function in stochastic systems, R .	221
Riganti (Italy)	231
Collocation finite element solution of a compressible flow, N.G. Zamani and W. Sun (Canada)	243
On solving systems of nonlinear equations by simulation, H.T. Lau (Canada)	253
Reformulation of parameter identification with unknown-but-bounded errors, T. Clement	257
and S. Gentil (France)	257
The decomposition method applied to stiff systems, G. Adomian, R. Rach and M. Elrod	
(U.S.A.)	271
Book Reviews, W.F. Ames and C. Brezinski (U.S.A./France)	277
News of IMACS	285
Number 4, September 1988	
Tridiagonal C¹-collocation, T.S. Papatheodorou (Greece)	299
C^1 -collocation semidiscretization of $u_t + cu_x = 0$: Its Fourier analysis and equivalence to	
the Galerkin method with linear splines, T.S. Papatheodorou (Greece)	311
An adaptation of the decomposition method for asymptotic solutions, G. Adomian (U.S.A.)	325
Optimization of discrete variable stochastic systems by computer simulation, F. Azadivar	
and YH. Lee (U.S.A./Korea) On the efficient concretion of discrete event complements under different system parameter.	331
On the efficient generation of discrete event sample paths under different system parameter	247
values, YC. Ho, S. Li and P. Vakili (U.S.A.)	347
Book Reviews, W.F. Ames and C. Brezinski (U.S.A./France) News of IMACS	371 379
NEWS OF INTACS	2/9

Number 5, November 1988

Observation strategy for a parallel connection of discrete-time linear systems, L. Caro-	200
tenuto, P. Muraca and G. Raiconi (Italy)	389
Parameters estimation of an aquatic biological system by the adjoint method, B. Marcos	
and G. Payre (Canada)	405
An application of rationalized Haar functions to solution of linear partial differential	
equations, M. Ohkita and Y. Kobayashi (Japan)	419
A finite element code for thin plate dynamics, A. Alaylioglu (South Africa)	429
Approximating nonstationary $Ph(t)/Ph(t)/1/c$ queueing systems, K.L. Ong and M.R. Taaffe (U.S.A.)	441
A multiprocessor architecture for solving nonlinear partial differential equations, C. Siva	
Ram Murthy and V. Rajaraman (India)	453
Book Reviews, W.F. Ames and C. Brezinski (U.S.A./France)	465
News of IMACS	469
Number 6 (Special Issue on "Stochastic Methods in Round-Off Error Analysis), December 198	8
Foreword, J. Vignes (France)	479
Review on stochastic approach to round-off error analysis and its applications, J. Vignes (France)	481
Practical methods for evaluating the accuracy of the eigenelements of a symmetric matrix,	
F. Toutounian (Iran)	493
Floating-point error propagation in iterative methods, R. Alt (France)	505
A variant of the CESTAC method and its application to constrained optimization, J.	
Abadie and F. Dekhli (U.S.A. / France)	519
Data error analysis in unconstrained optimization problems with the CESTAC method, N.	
Alliot (France)	531
All possible computed results in correct floating-point summation, M. Pichat (France)	541
Numerical accuracy control in fixed-point arithmetic, L. Ton-That (France)	553
Book Reviews, W.F. Ames and C. Brezinski (U.S.A./France)	563
News of IMACS	569
Author Index Volume 30	581
Contents Volume 30	585

